

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A bicycle wheel rim, comprising an inner peripheral wall, an outer peripheral wall, two lateral walls joining said peripheral walls and two circumferential ~~wings~~ flanges, for anchoring a tire, which ~~extend outwards towards~~ are parallel to each other and extend radially above the outer peripheral wall, wherein said rim is made of a single part of structural fiber based material incorporating the two circumferential ~~wings~~ flanges and wherein the rim has a layered structure of a plurality of nested layers of fiber based fabric material, including at least first layers selected from the nested layers extending so as to define the inner peripheral wall, the lateral walls and the two ~~wings~~ flanges of the rim, and second differently selected layers from the plurality of layers arranged so as to define the inner peripheral, lateral and outer peripheral walls of the rim.

2. (Original) The rim of claim 1, wherein said structural fibers are selected among: carbon fibers, glass fibers, aramidic fibers, boron fibers, ceramic fibers, or any combinations thereof.

3. (Currently amended) The rim of claim 1, wherein ~~it~~ the rim has a symmetrical cross-section.

4. (Currently amended) The rim of claim 1, wherein ~~it~~ the rim has an asymmetrical cross-section.

5. (Cancelled)

6. (Currently Amended) The rim of claim 1, wherein the layered structure further includes third layers arranged to define the outer wall and the two ~~wings~~ flanges of the rim.

7. (Currently Amended) The rim of claim 6, wherein said layered structure further comprises fourth layers (D) wound in the side regions of the outer walls of the rim from which said ~~wings~~ flanges depart.

8 - 9.(Cancelled)

10. (Currently Amended) A bicycle wheel rim, comprising an inner peripheral wall, an outer peripheral wall, two lateral walls joining said peripheral walls and two circumferential ~~wings~~ flanges, for anchoring a tire, which radially extend outwards from the two sides of the outer peripheral wall, wherein said rim is made of a single part of structural fiber based material incorporating the two circumferential ~~wings~~ flanges,

wherein the rim has a layered structure of a plurality of nested layers of fiber based fabric material, including at least first layers selected from the nested layers extending so as to define the inner peripheral wall, the lateral walls and the two ~~wings~~ flanges of the rim and second differently selected layers from the plurality of layers arranged so as to define the inner peripheral, lateral and outer peripheral walls of the rim, and

wherein the layered structure further includes third differently selected layers from the plurality of layers arranged to define the outer peripheral wall and the two ~~wings~~ flanges of the rim.

11 - 42. (Cancelled)

43. (Currently Amended) A bicycle wheel rim comprising:
a plurality of nested layers of fiber based fabric incorporated in a thermosetting plastic material matrix that are arranged as:
an inner wall;
an outer wall;
two circumferential ~~wings~~ flanges; and
two lateral walls that connect the inner wall, outer wall and two circumferential ~~wings~~ flanges,
the outer wall is comprised of a first set of selected layers from the plurality of nested layers that also comprise part of the inner and lateral walls and the two circumferential ~~wings~~ flanges are comprised of a second set of differently selected layers from the plurality of nested layers that also comprise part of the inner and lateral walls.